

Belmont University

Belmont Digital Repository

OTD Capstone Projects

School Of Occupational Therapy

Spring 4-15-2020

Implementation of the Pediatric Evaluation of Disability Inventory (PEDI-CAT) with Equine Assisted Activity and Therapy Participants

Tori Hendricks
tori.hendricks@pop.belmont.edu

Follow this and additional works at: <https://repository.belmont.edu/otdcapstoneprojects>



Part of the [Occupational Therapy Commons](#)

Recommended Citation

Hendricks, Tori, "Implementation of the Pediatric Evaluation of Disability Inventory (PEDI-CAT) with Equine Assisted Activity and Therapy Participants" (2020). *OTD Capstone Projects*. 14.
<https://repository.belmont.edu/otdcapstoneprojects/14>

This Poster is brought to you for free and open access by the School Of Occupational Therapy at Belmont Digital Repository. It has been accepted for inclusion in OTD Capstone Projects by an authorized administrator of Belmont Digital Repository. For more information, please contact repository@belmont.edu.



Implementation of the Pediatric Evaluation of Disability Inventory (PEDI-CAT) with Equine Assisted Activity and Therapy Participants



Tori Hendricks, OTD/S
Faculty Mentor: Sue Iliff, PhD, OTR/L
Expert Mentor: Lindsey Wood, CTRS

Saddle Up!

Mission:

Saddle Up!'s mission is to provide children and youth with disabilities the opportunity to grow and develop through recreational activities with horses.

Vision:

Saddle Up! seeks to be an essential community partner enriching the lives of children with disabilities through constantly improving the excellence and accessibility of the highest quality equine assisted activities.

Population

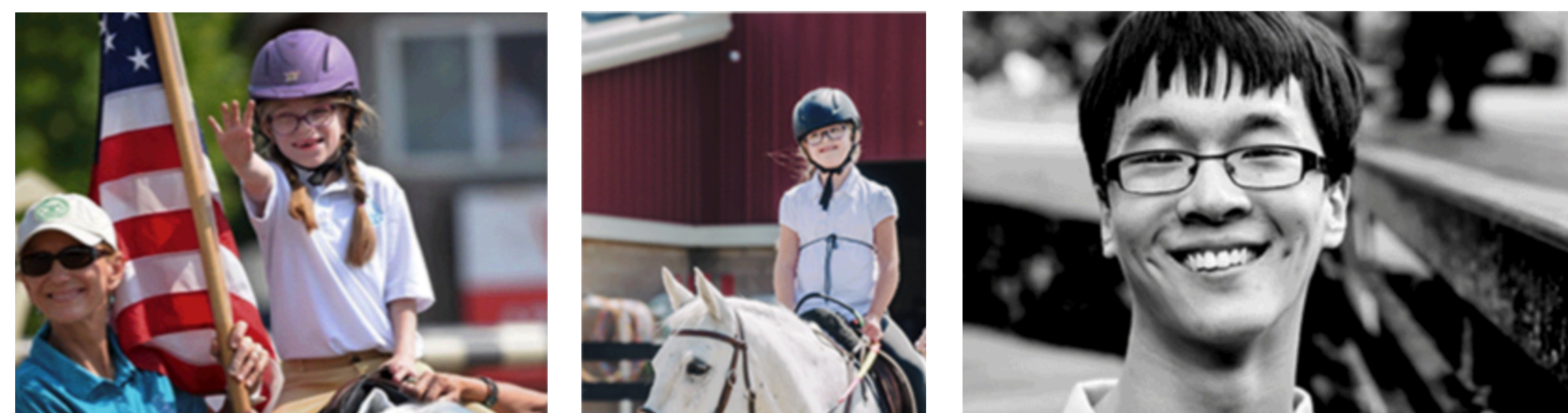
Although the parent/caregiver fills out the assessment it targets children and youth ages 2-20 years old with a variety of physical and/or behavioral conditions.

Needs Assessment

- Saddle Up! has a RIDES program that serves as a way to track progress and improvements for riding and horsemanship skills.
- Although they are able to gather narrative data such as a parent's report, there was currently no assessment set in place to measure the functional outcomes that participating in equine assisted activities and therapies has on a child's daily life.

Overall Need:

To implement an assessment that can be used to measure factors that affect overall quality of life, such as improvement in communication, motor skills, ADLs, and socialization in equine assisted activities and therapies.



Project Goals

- Evaluate a variety of assessments in order to determine which one is best appropriate.
- Identify an assessment that can be used to measure factors that affect overall quality of life, such as improvement in communication, motor skills, ADLs, and socialization in equine assisted activities and therapies.
- Develop a presentation discussing everything families should know about chosen assessment and the why behind the importance of its implementation.
- Develop a flyer that explains to families how filling out such an assessment can benefit their child.
- Implement the assessment across all programs, excluding Alumni Transitions.
- Gather evidence that can support this underserved population in the hopes that they will gain more financial support and that the program will receive more credibility by analyzing any significant results found.
- Report any results that were concluded from analyzing the first round of assessment data to the second round.

Deliverables

This flyer, along with a PowerPoint video, was distributed to parents/caregivers of participants prior to the implementation of the PEDI-CAT to further explain the assessment tool and the data collection process.

Implementation of the Pediatric Evaluation of Disability Inventory (PEDI-CAT)

Benefits of Using the PEDI-CAT Assessment Tool:

- Measures factors that affect overall quality of life, such as improvement in communication, motor skills, ADLs, and socialization.
- Measures how improvement in horseback riding transfers over to improvements in a child's daily life.
- Helps gather evidence to allow for functional outcomes to be tracked over time.

PEDI-CAT Functional Domains:

DAILY ACTIVITIES	MOBILITY	SOCIAL COGNITIVE	RESPONSIBILITY
1	2	3	4

The Five W's:

Who: Parent/guardian of children and youth ages 2-20 years old

What: Completion of the PEDI-CAT assessment; 20-25 minutes

Where: Saddle Up! waiting room

When: During your child's program, twice a year

Why: To track functional progress in your child over time

Questions? Contact the Program Operations Director, Lindsey Wood
lwood@saddleupnashville.org



SCAN ME

Scan the QR code with your smartphone camera to watch the PowerPoint video:



Outcomes

PEDI-CAT Pilot Results 2020:
92 assessments completed
12 of whom have completed it at least once before



When comparing individual raw scores across all four domains:
11/12 riders had a raw score increase between 1-15 points
1/12 riders had a raw score decrease of 2 points



In conclusion the PEDI-CAT assessment is able to measure factors that affect overall quality of life, such as improvement in communication, motor skills, ADLs, and socialization in equine assisted activities and therapies.

Further Implications

Future EC projects for Saddle Up!:

- Re-pilot PEDI-CAT assessment using the new online platform, Q-global.
- Research study with IRB approval to further measure functional outcomes of participating in therapeutic riding.

Acknowledgments

I would like to thank Dr. Sue Iliff, Lindsey Wood, Laurie Kush, Sandra Zaccari, Beth Davidson, Nancy Darr, Jacob Feldman, Grace Lampley, and Sylvia Stenger for all of your support, knowledge, and guidance throughout this semester. Final thanks to the parents/caregivers for their willingness and active participation.

Reference

About Saddle Up! (2019) Retrieved from <https://www.saddleupnashville.org/about/>